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KOKAY, V I;KUMIROV, B A
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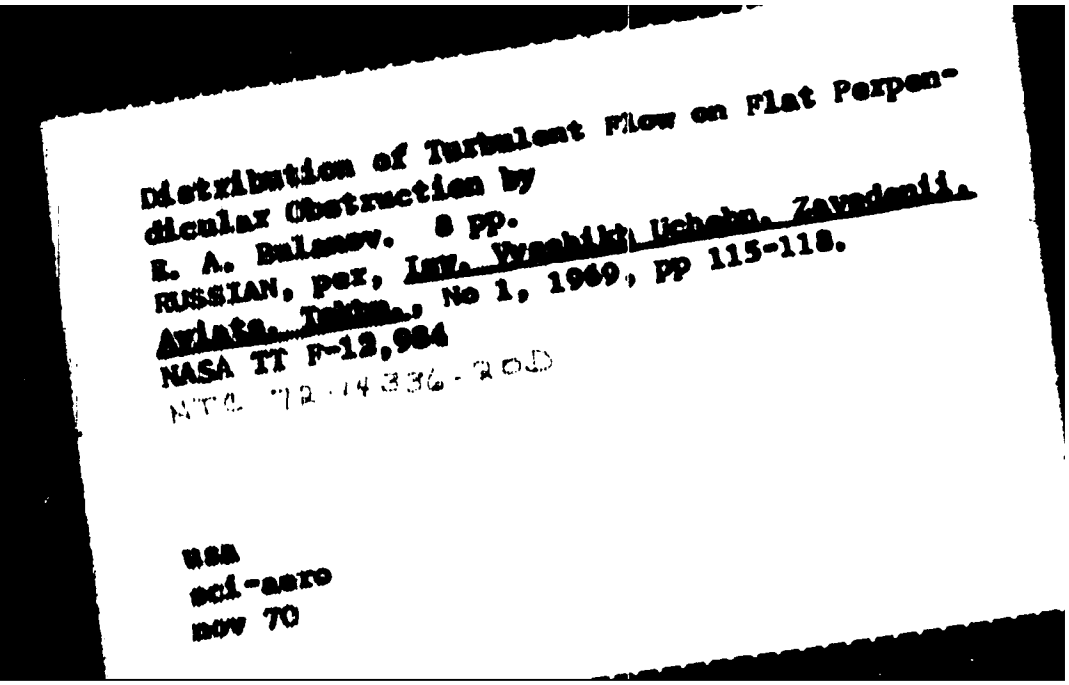

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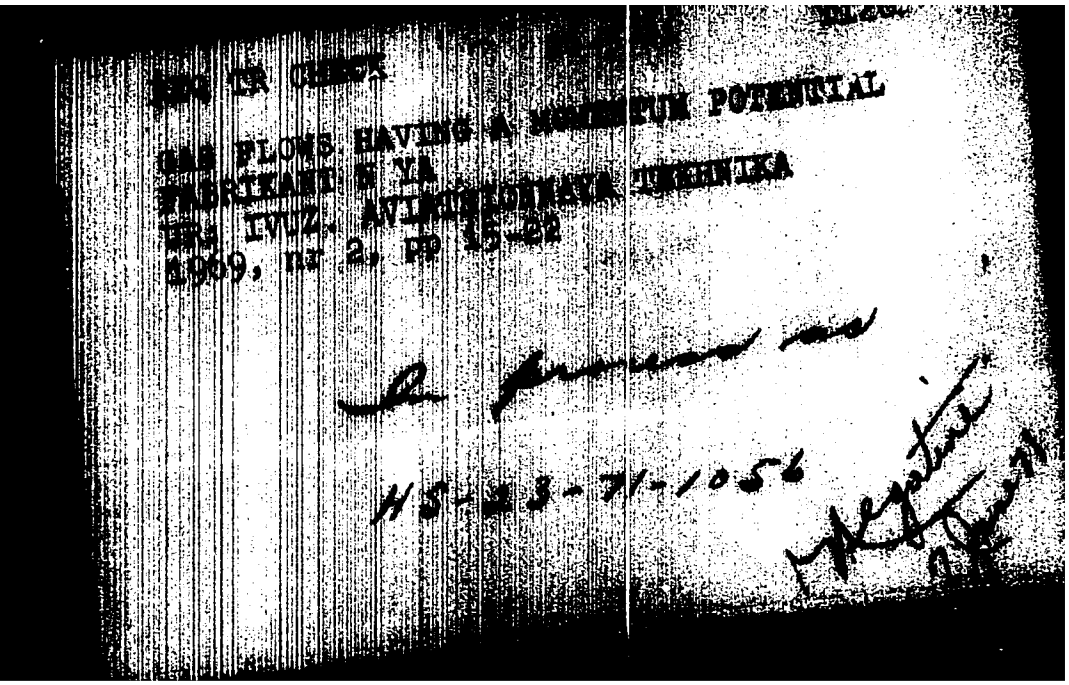

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Turbulent Boundary Layer in the Initial Part of the Pipe During the Blowing of Various Gases, by A. V. Fafurin, J. D. Krechetnikov.
RUSSIAN, per, Izv VUZ Aviatsionnaya Tekh, No 2, 1969, pp 79-88.
FTD HT Special 150-70

Sci-Phys
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

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Calculation of Heat Exchange in Diathermal Systems with a Supercritical Boiling Regime, by Yu. P. Ymnovlev.
RUSSIAN, per, Izvestiya VUZ, Aviatsionnaya Tekhnika, No 2, 1969, pp 89-93.
*NASA TT F 12,974

FTD MT

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

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70-13585-20K
Aryshenskii, Yu. M.; Kaluzhskii, I. I.; Uvarov, V. V.
CERTAIN PROBLEMS CONCERNING THE PLASTICITY OF ORTHOTROPIC MEDIA. Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika, v. 12, n. 2, p. 115-120, 1969.
Order from NTC as 70-13585-20K: HC $ 6.70, MF $ 5.80.

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

Clnculation of Parameters when Real Gas is Flowing,
by N. S. Yershov, V. S. Selifonov.
RUSSIAN, per, Izv VUZ Aviats Tekh, No 2, 1969,
pp 143-148.
FTD HT Special 151-70

Sci-Phys
June 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

Modelling of Two-Dimensional Problems of Flowing with Stalling, by A. P. Pudovayev.
RUSSIAN, per, Izv VUZ Aviats Tekh, No 2, 1969, pp 149-153.
FTD HT Special 152-70

Sci-Phys
June 70

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Determination of the Maximum Permissible Weight of Design Outlays For a Variable Geometry Wing, by V. P. Goglin.
RUSSIAN, per, Izvestiya VUZ Aviatsionnaya Tekhnika, Vol 12, No 2, 1969, pp 169-171.
*FTD HT Special 133-70

May 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

Optimum Control of Boundary Layer, by O. G. Divakov, T. K. Syrasa'dinov.
RUSSIAN, per, Izvestiya VUZ Aviatsionnaya Tekhnika,
No 3, 1969, pp 5-13.
*FTD HT Special 135-70

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To the Problem of Laminar Boundary Layer Steadiness of Noncompressible Fluid in Account of Transverse Speed, by M. V. Tzvetkova.
RUSSIAN, per, Izv VUZ Aviats Tekh, No 3, 1969, pp 33-40.
FTD HT Special 153-70

Sci-Phys
June 70

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Karasev, O.V.

Determining the Angle of Downstream Flow from a Two-Dimensional Turbine Blade Row.
IZVESTIYA VYSSIKH UCHEBNYKH ZAVEDENII, AVIATSIONNAYA TEKHNIKA, N. 2, 1968, P. 66-71
NTC-72-14627-20D

Feb 73

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

REQ TR CHECK 20-03-73 T375

CALCULATION OF THE TEMPERATURE FIELD OF COOLED TURBINE BLADES FOR VARIABLE BOUNDARY CONDITIONS AS A FUNCTION OF THE THERMOPHYSICA PROPERTIES OF THE MATERIAL AND THE TEMPERATURE

LOKAY, V.I

UR: IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENIY, AVIATSIONNAYA TEKHNIKA, 1969, VOL 12, NO 3, pp. 80-90

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HS72-23-0366

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

Experimental-theoretical Study of a Diathermic Scheme of Heat Transfer with Supercritical Regime of Boiling, by Yu. P. Yakovlev, V. N. Drulis.
RUSSIAN, per. Izvestiya VUZ Aviatsionnaya Tekhnika,
No 3, 1969, pp 91-96.
*FTD HT Special 138-70

May 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

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Influence of the system dimensions of the principal characteristics of the burning process, by
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RUSSIAN, per, IVUZ. Aviatsionnaya Tekhnika, No 3, 1969, pp 97-107
FTD-HT Special 371-70

sci
jan 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

The Influence of Transverse Pressure Gradient on Turbulent Boundary Layer Parameters, by G. V. Filippov, V. G. Shakhov.
RUSSIAN, per, Izvestiya VUZ Aviatsionnaya Tekhnika, No 3, 1969, pp 145-149.
*FTD HT Special 134-70

May 70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

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Experimental Investigation of Toroidal Shell Stability, by Yu. A. Fedosov. 5 pp
RUSSIAN, per, Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika, No 3, 1969, pp 154-157.
NTC-70-13156-20K
CIA 70-13156-20K

Feb 72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

Determination of Stress and Strain Components in the Plastic Complex Stressed State, by Lysov M. I.
RUSSIAN, per, Ivuz, Aviatsionnaya Tekhnika, 1969, No 4, Vol 12, pp 43-50.
FTD-HT-Special 71-70

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

Theoretical Performance of a Turbojet Engine Nozzle which has a Center Body with the Presence of Blowing, by Z.G. Shaykhutdinov.
RUSSIAN, per, Izvestiya Vysshikh Uchebnykh Zavedeniy, Seriya "Aviatsionnaya Tekhnika", No 4, 1969, pp 91-97.
FTD-HT Special 71-31

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

Calculation of a fuel air nozzle, by,
I. N. Dyatlov.
RUSSIAN, per, IVUZ. Aviatsionnaia Tekhnika, Vol 12,
No 4, 1969, pp 153-157.
FTD-HT Special 397-70

jan 71

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

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RUSSIAN, per, IVUZ. Aviatsionnaya Tekhnika, Vol 12, No 4, 1969, pp 158-161
FTD HT Special 327-70

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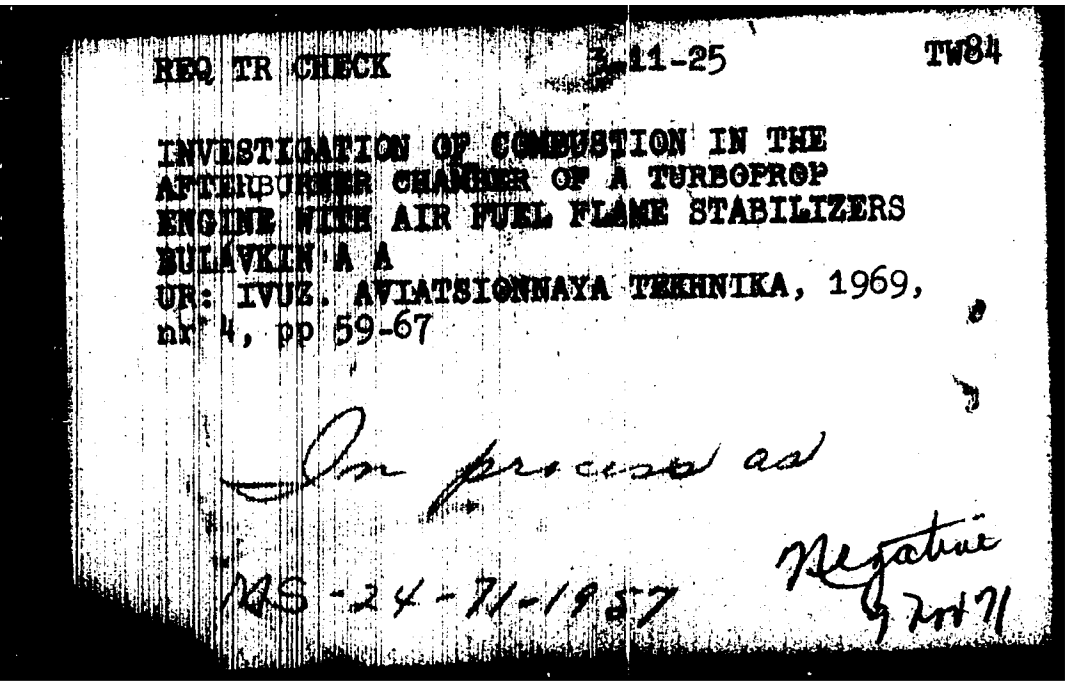

REQ TR CHECK 3-11-25 TW84

INVESTIGATION OF COMBUSTION IN THE AFTERBURNER CHAMBER OF A TURBOPROP ENGINE WITH AIR FUEL FLAME STABILIZERS
BULAVKIN A A
UR: IVUZ. AVIATSIONNAYA TEKHNIKA, 1969, nr 4, pp 59-67

Negative

RS-24-71-1957

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

Prospects for Cooling with Diathermic Heat Exchange Systems, by Yu. P. Yakovlev.
RUSSIAN, per, IVUZ. Aviatsionnaya Tekhnika,
No 1, 1970, pp 28-42
FTD HT Special 321-70

nov 70

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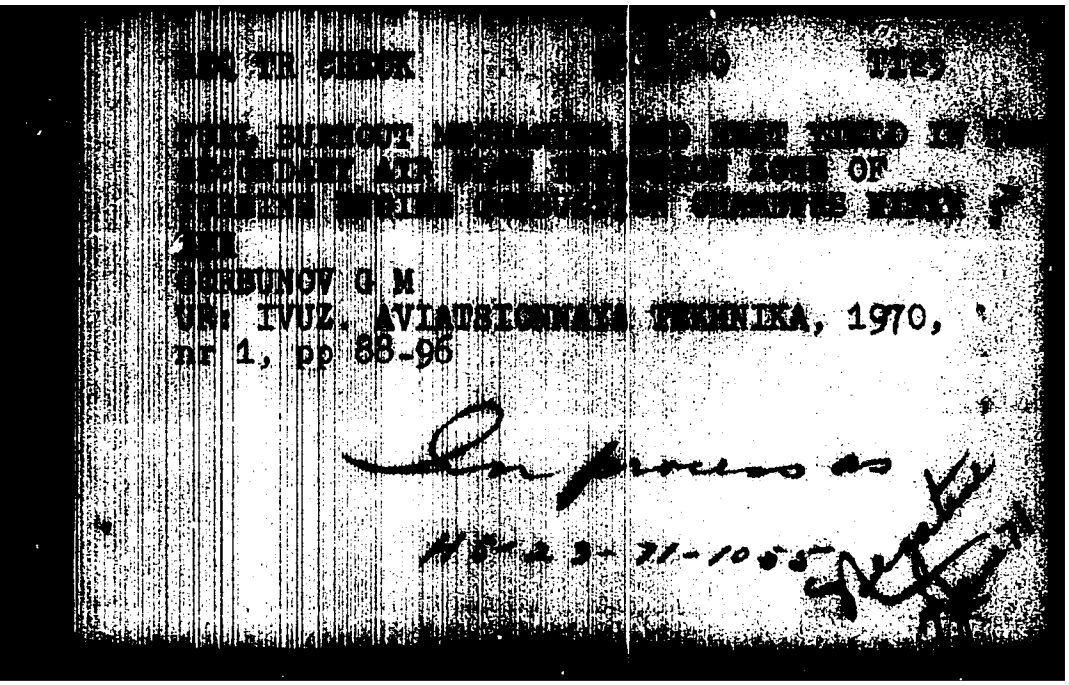

GERBUNOV G M
UR: IVUZ. AVIATSIONNAYA TEKHNIKA, 1970,
nr 1, pp 88-96

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

Flame Propagation Velocity in Turbulent Flow Under Two-Stage Combustion, by V. A. Shchukin, A. V. Mosin.
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FTD HT Special 304-70

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

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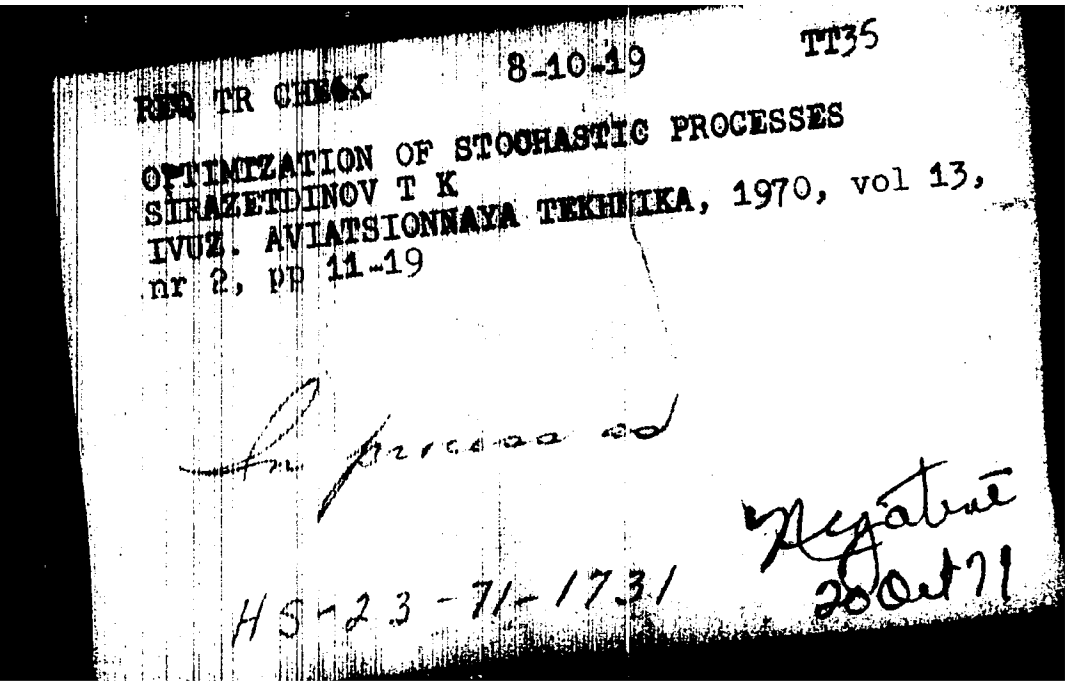

8-10-19 TT35

RDP TR CHECK

OPTIMIZATION OF STOCHASTIC PROCESSES
SIRAZETDINOV T K
IVUZ. AVIATSIONNAYA TEKHNIKA, 1970, vol 13,
nr 2, pp 11-19

Translated

Negative
20Oct71

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

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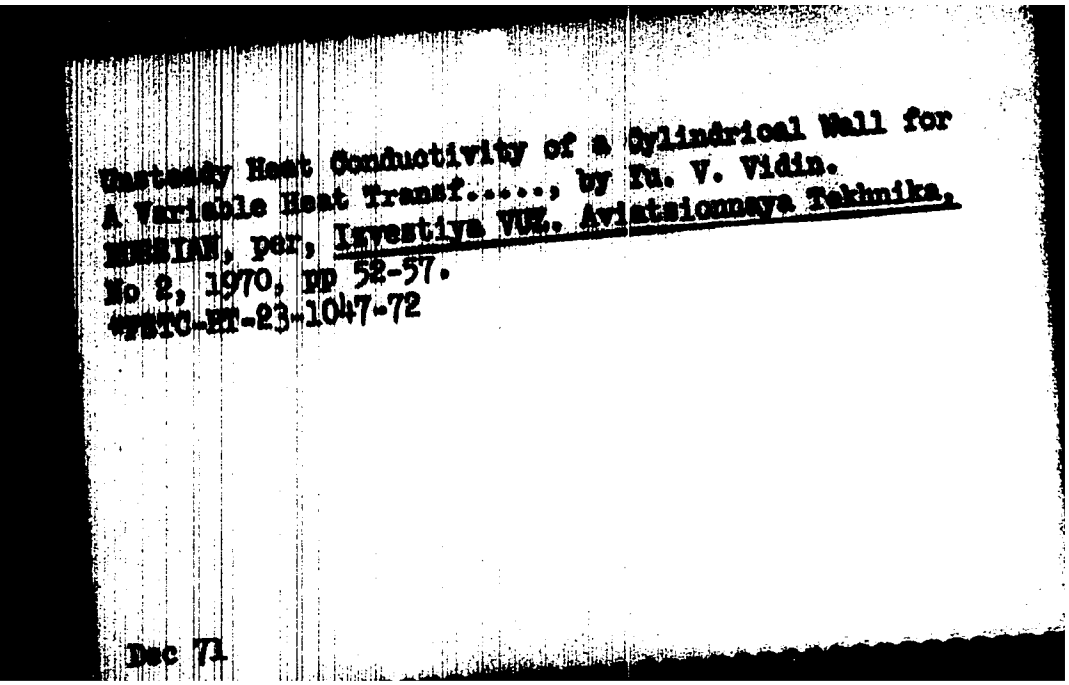

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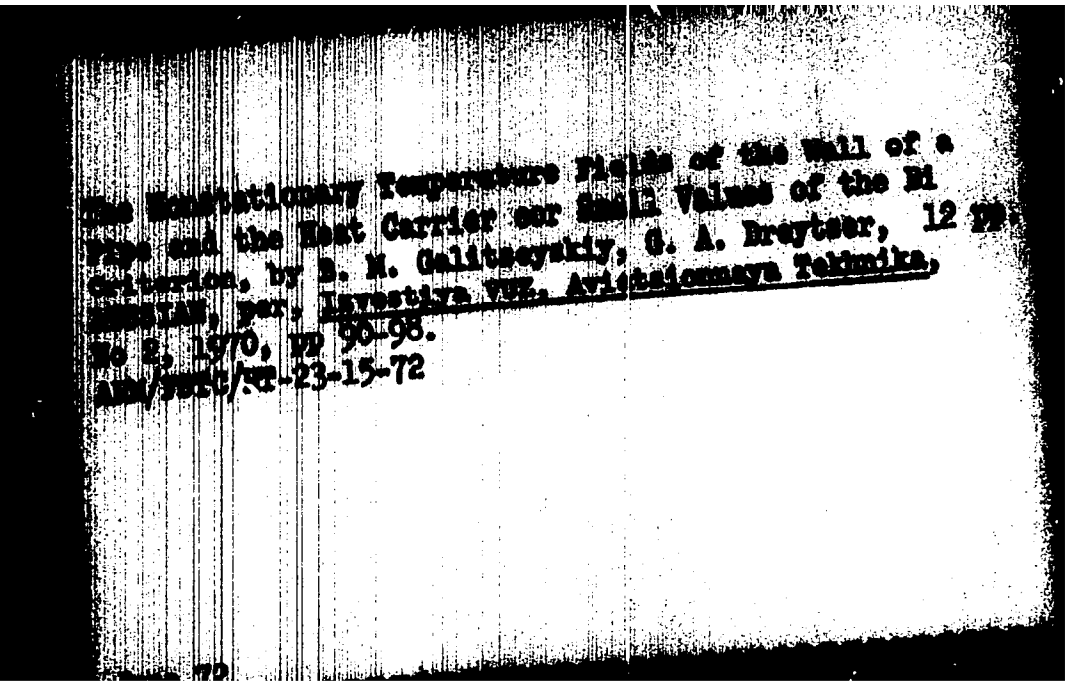

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Abs/Sum/Ref-23-15-72

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

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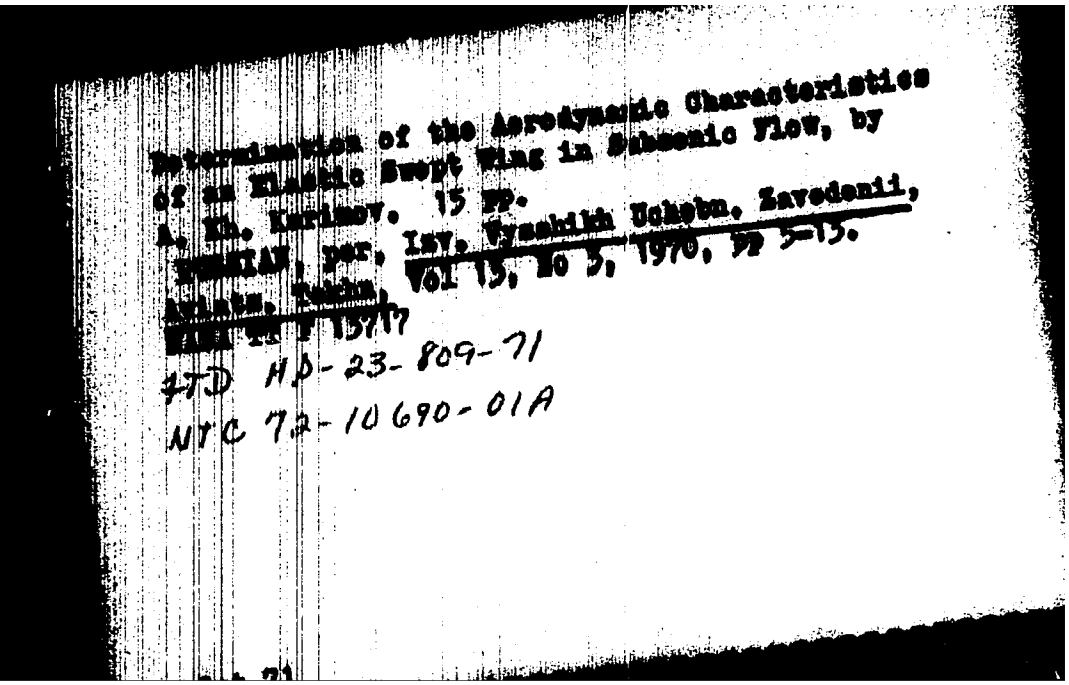

Determination of the Aerodynamic Characteristics
of an Elastic Swept Wing in Subsonic Flow, by
A. Ya. Kharlamov. 15 pp.
[illegible] Per, Izv. Vysshikh Uchebn. Zavedenii,
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FTD HD-23-809-71
NTC 72-10690-01A

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

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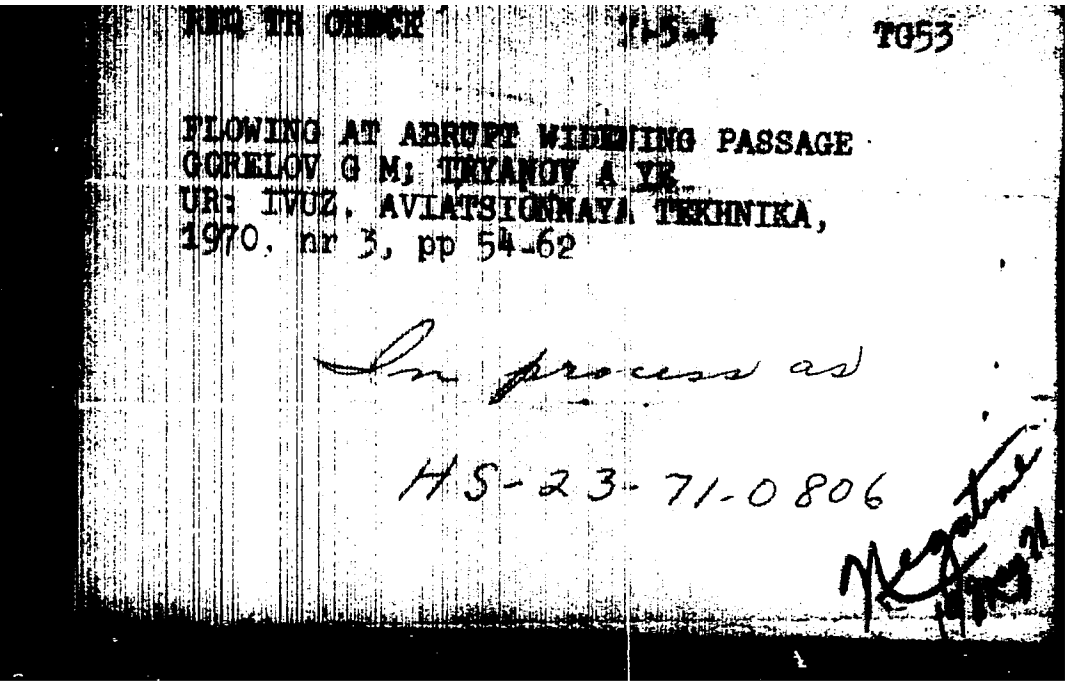

FLOWING AT ABRUPT WIDENING PASSAGE
GORELOV G M; TKYANOV A YE
UR: IVUZ, AVIATSIONNAYA TEKHNIKA,
1970, nr 3, pp 54-62

In process as

HS-23-71-0806

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

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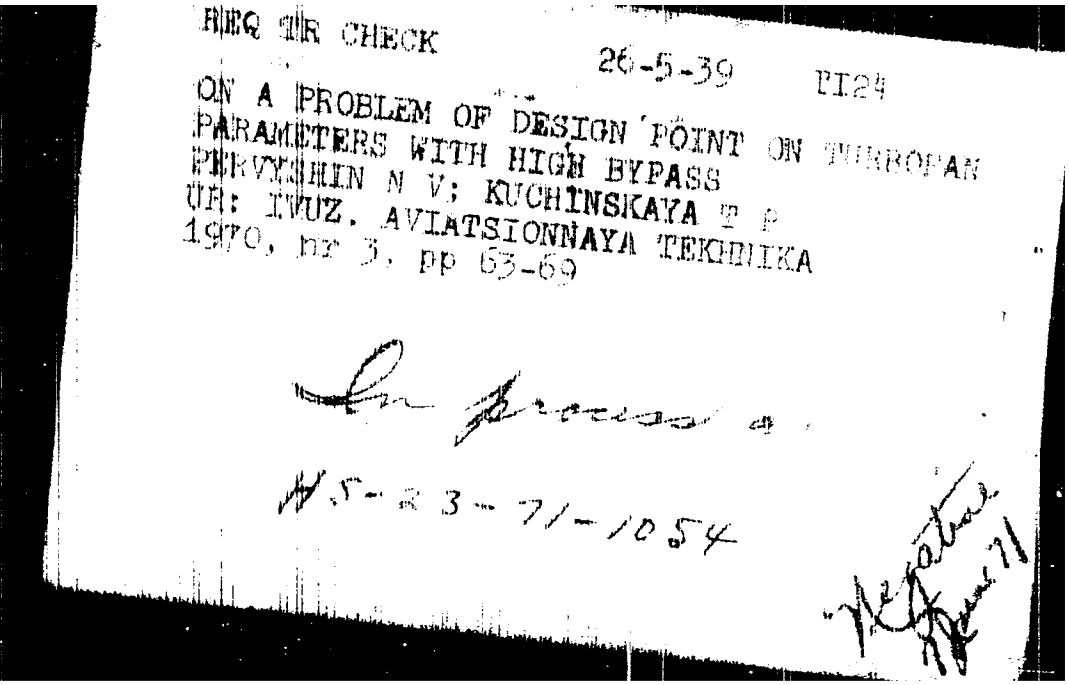

REQ IR CHECK 26-5-39 PI24

ON A PROBLEM OF DESIGN POINT ON TURBOFAN
PARAMETERS WITH HIGH BYPASS
PERVYSHIN N V; KUCHINSKAYA T P
UR: IVUZ. AVIATSIONNAYA TEKHNIKA
1970, NR 3. PP 63-69

AS-83-71-1054

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

Avdeev, V. B.

Experimental Study of the Energy Losses of A Radial Flow in a Rotating Circular Cascade of Cylindrical Profiles of a Centripetal Turbine Rotor.
IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII. AVIATSIONNAYA TEKHNIKA, No. 3., 1970, p.75-85
NTC 72-14628-20D

Feb 73

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

REQ TR CHECK P1-03-73 T477

EXPERIMENTAL INVESTIGATION OF TURBINE STAGE WITH AN EXHAUST OF COOLING AIR INTO THE FLOW AREA

LOKAY, V I;KUMIROV, B A

UR: IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENIY, AVIATSIONNAYA TEKHNIKA, 1970, VOL 13, NO 3, pp. 93-100

A573-23-0147 A69 15 MAR 73

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

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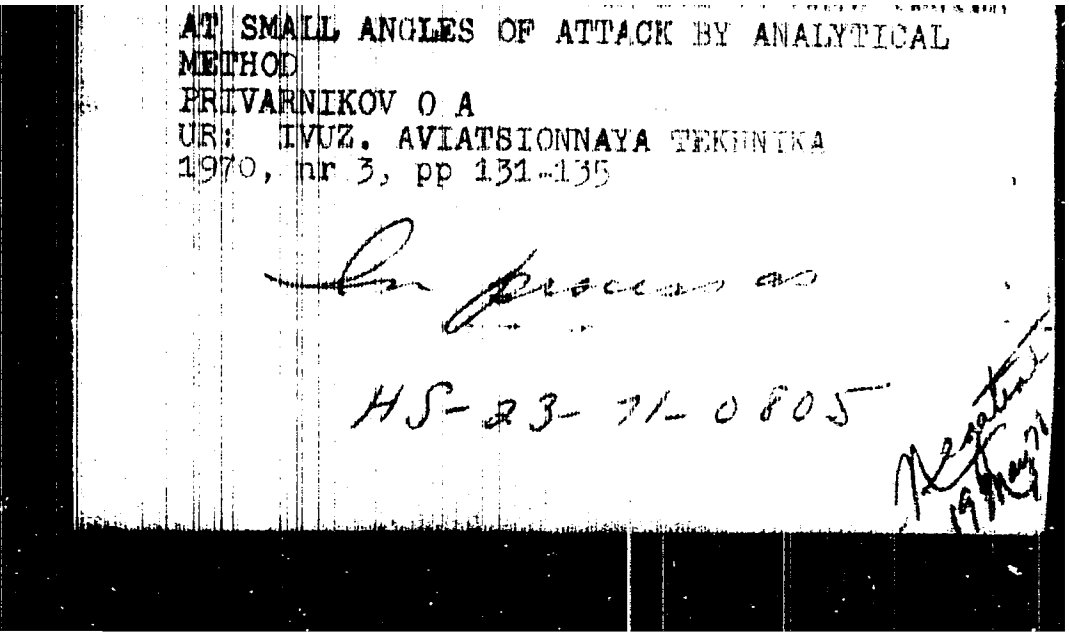

AT SMALL ANGLES OF ATTACK BY ANALYTICAL METHOD
PRIVARNIKOV O A
UR: IVUZ. AVIATSIONNAYA TEKHNIKA
1970, nr 3, pp 131-135

HS-23-71-0805

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

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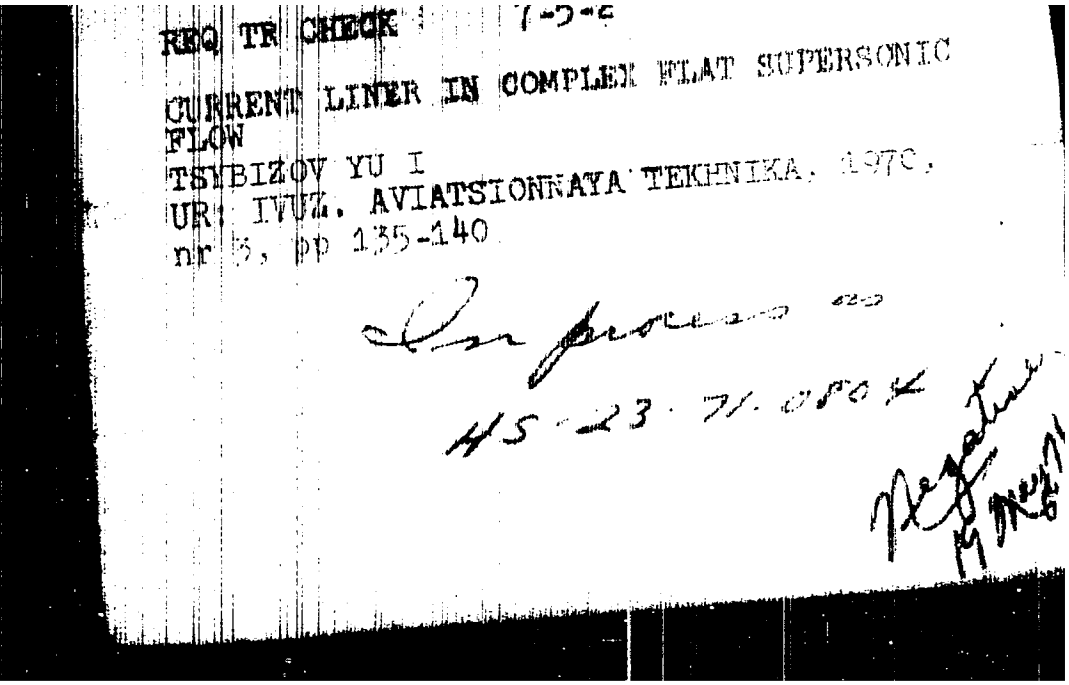

REQ TR CHECK

CURRENT LINER IN COMPLEX FLAT SUPERSONIC FLOW

TSYBIZOV YU I

UR: IVUZ. AVIATSIONNAYA TEKHNIKA, 1970, nr 3, pp 135-140

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

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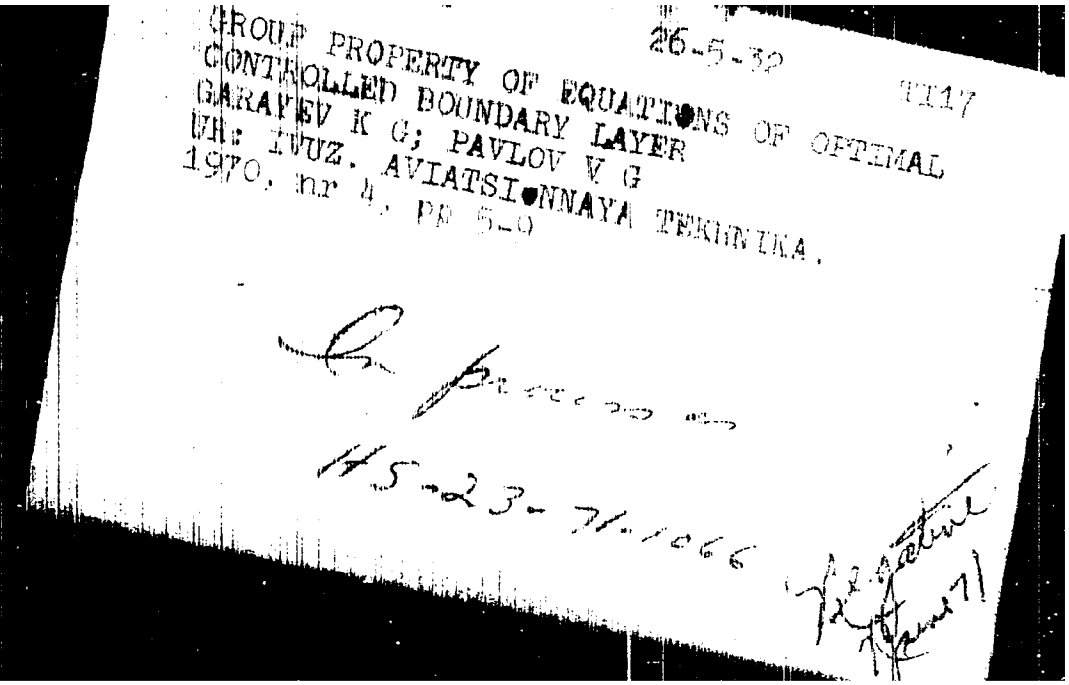

GROUP PROPERTY OF EQUATIONS OF OPTIMAL
CONTROLLED BOUNDARY LAYER
GARAYEV K G; PAVLOV V G
UR: IVUZ. AVIATSIONNAYA TEKHNIKA,
1970, nr 4, pp 5-9

26-5-32 U17

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

REQ TR CHECK 26-5-30 TE15

CALCULATION OF LIFT FOR THE WING WITH A
ROTATING FLAP
PATEL' T S
UR: IVUZ. AVIATSIONNAYA TEKHNIKA
1970, nr 4, pp 10-15

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

REQ TR CHECK 26-5-33 TI18

TEMPERATURE REGIME OF AIRCRAFT CONSTRUCTION ELEMENTS UNDER AERODYNAMIC HEATING

SALOMATOV V V

UR: IVUZ. AVIATSIONNAYA TEKHNIKA, 1970, nr, 4, pp 22-30

FS-23-71-1065

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

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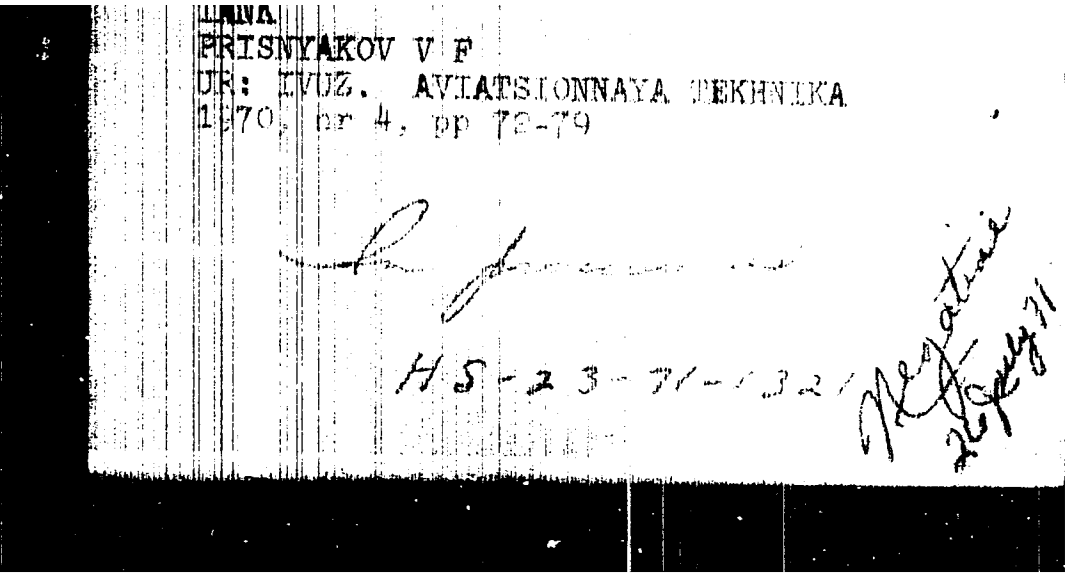

LANA
PRISNYAKOV V F
UR: IVUZ. AVIATSIONNAYA TEKHNIKA
1970, nr 4, pp 72-79

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

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REG TR CHECK TAB1

INFLUENCE OF SOME DESIGN PARAMETERS OF GAS TURBINE ENGINE COMBUSTION CHAMBER ON THE CIRCUMFERENTIAL NONUNIFORMITY OF THE GAS
SPIRIDONOV YU A
UR: IVUZ. AVIATSIONNAYA TEKHNIKA. 1 .
NO 4, [illegible]

3 FEB 1972

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100110022-1

Expansion of a Turbulenti-jet Boundary Layer in a Slipstream, by V. K. Temnov.
RUSSIAN, per, IVUZ Aviatsionnaya Tekhnika, Vol 13, No 4, 1970, pp 111-115.
NASA-TT-F-14060
NTC 72-14955-ROD
ETD-MS-23-M-1067

Nov 71

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